

# Sonika Finch

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## Objective

Internationally experienced software engineer with 3+ years of developing high-quality, object-oriented code in multiple languages. A driven, quick learner who enjoys complex challenges and staying curious. Seeking full time employment starting Summer of 2018.

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## Education

### GEORGIA INSTITUTE OF TECHNOLOGY | COLLEGE OF COMPUTING | ATLANTA, GA

- Bachelor of Science in Computer Science, **Major GPA: 3.59** August 2014 - May 2018
  - Threads: People & Information Internetworks
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## Experience

### PROTIVITI, ATLANTA, GA

*Intern, Data & Analytics - Business Intelligence Solution* June 2017 – August 2017

- Developed BI reporting dashboards with jQuery to automate data reporting for each U.S. office and save Protiviti about \$300,000 a year
- Worked as a consultant on a team of four to redesign Nielsen's BI reporting, focused on data warehousing and data migration to AWS

### THE WALLACE H. COULTER DEPARTMENT OF BIOMEDICAL ENGINEERING, ATLANTA, GA

*Undergraduate Researcher for Dr. Michelle LaPlaca* January 2017 – Present

- Collaborated with team of Georgia Tech researchers to improve on-the-field concussion diagnosis in American football
- Created a Microsoft Access database for years of hit testing results and designed custom macros for researchers to manipulate the data

### VENTURE CORPORATION LIMITED, SINGAPORE

*Firmware Engineering Intern, Research & Development Department* June 2015 – July 2015

- With a team of four engineers, designed a new and improved DNA thermocycler
  - Created a comprehensive UI dashboard with Java in Android Studio that represented the medical data intuitively for doctors' use
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## Projects

### H.E.R.O FOR CHILDREN, ATLANTA, GA

*Team Lead, Epic Intentions* January 2017 – May 2017

- Managed an interdisciplinary team of seven Georgia Tech volunteers in a scrum environment project creating the charity H.E.R.O.'s DBMS
- Designed and implemented a MySQL database to help H.E.R.O. apply for critical grants and manage their many programs
- Led the team in developing the Python desktop application that allows for users to search the database

### ALLIANCE SURVIVOR RESOURCES, ATLANTA, GA

*Lead Backend Developer, Epic Intentions* August 2016 – December 2016

- Volunteered with six Georgia Tech students to create a web app using HTML, CSS, Google Maps API, and Flask with a MySQL database
- Responsible for leading the three-person backend development team and spent an average of five hours a week building the project
- The web app allows Alliance to comment on, bookmark, and search for resources based on their category, location, and keyword

### WATER, ATLANTA, GA

*CS 2340, Georgia Tech* August 2016 – December 2016

- Crowdsourced safe water location app created in response to NASA's clean water mapping challenge
- Developed with a team of five Georgia Tech students in a scrum environment using Java, JavaFx, and Google Maps API

### GT TRAVEL, BARCELONA, ES

*CS 4400, Georgia Tech Barcelona Study Abroad* May 2016 – August 2016

- Travel review application that allows users to rate and write reviews about different destinations and search based on location
  - Led backend development with a team of five Georgia Tech students on the Python GUI and MySQL database
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## Technical Skills

### PROGRAMMING LANGUAGES

- Proficient: Java, Python, SQL
- Familiar: C, HTML, CSS, JavaScript
- Some Experience: PHP, JSON, XML, MATLAB

### SOFTWARE & FRAMEWORKS

- Proficient: Git, MySQL, Android Studio, Tkinter, Bootstrap, LaTeX
- Familiar: JavaFX, Microsoft Access, SAP Data Services Designer
- Some Experience: jQuery, AngularJS, SAP BusinessObjects Design Studio